SOLTAM ATMOS

Wheeled self-propelled 155 mm howitzer

- Available with any in-service truck
- Integrated with a complete electronic suite from gun level and up
- Integrated with system command and control at all levels, including FDC'S & FO's
- Massive and accurate fire power
- Long range with all 155 mm ammunition
- Rapid deployment with high tactical mobility and short response time
- Protected and armored crew cabin
- Integrated Logistic Support and all-level maintenance program
- Low life cycle cost

Elbit Systems
Land and C4I

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Wheeled self-propelled 155 mm howitzer

The ATMOS is an autonomous, computerized 155 mm truck mounted howitzer which is rapidly deployed and operable in difficult terrain. The modular ATMOS system is available with a range of qualified in-service trucks and gun calibers. The need for light, long range, fast moving artillery has been recognized as being critical for the new battlefield environments. This is especially so in countries in which terrain conditions, roads, rails and bridges place limitations on the weight and size of traditional self-propelled artillery systems. Artillery units are called upon to engage a variety of targets, gapping long ranges, expecting counter battery fire within minutes of commencing fire. The basic upper gun system is Elbit Systems' most modern 52 caliber NATO standard gun system and achieves range of achieving 41 km. As a modular system it can adopt any other Soltam or customer guns.

The system is suitable for any 6x6 or 8x8 in-service truck with modified protected cabin and special supporting structure, APU driven hydraulic and electric systems, ammunition handling and automatic loading systems and on-board ammunition storage.

The ATMOS is fully integrated with an embedded electronic suite. Together with the automatic laying system and automatic loading system it enables accurate navigation and autonomous operation, reduced crew, and increased fire power and accuracy. The ATMOS uses precise and modern tactical computation, sensors and has a Multiple Round Simultaneous Impact (MRSI) capability.

The electronic suite is comprised of tactical computers, an INS navigation system, muzzle velocity radar, day and night sight, a digital communication link, and target acquisition systems. Elbit Systems offers a complete solution tailored to meet any customer requirements. The system includes complete and advanced artillery force build-up of all levels of battery, battalion and brigade comprising the weapon systems. It is integrated with the electronic suites, a battle management system through FDC units, FO units with target acquisition (ground and UAV), and meteorological stations. The components are all connected via digital command, control and communication systems.

Technical Data

Max Range (km)	41 km (52 cal)
Elevation (deg)	-3-+70
Traverse (deg)	+/-25
Loading system	Semi-automatic or hydraulic and pneumatic loader assist
Crew	4 to 6
Rate of fire with auto loader	Burst 3 rounds within 15 sec Intense 15 rounds within 3 min Continuous 75 rounds within 60 min
MRSI	Up to 4 rounds on target
Vehicle	Any in-service high mobility trucks 6x6/8x8

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